

XIII. *A Revised List of British Trichoptera, brought down to date; compiled with especial regard to the 'Catalogue of British Neuroptera,' published by the Society in 1870.* By ROBERT M'LACHLAN, F.R.S., F.L.S., &c.

[Read June 7th, 1882.]

My reasons for bringing forward this List are twofold in their nature. Firstly, considerable additions have been made to our fauna during the twelve years that have elapsed since the publication of the Society's Catalogue. Secondly, it had scarcely occurred to me in 1870 to contemplate the publication of the work which subsequently (1874—1880) appeared under the title 'A Monographic Revision and Synopsis of the Trichoptera of the European Fauna.' In working up the materials it became evident that the sequential position of various genera and species would have to be considerably modified, and also, in a few instances, that the nomenclature used in the Catalogue would require modification. The present List is therefore based upon the 'Revision and Synopsis,' the species known to occur in Britain being extracted therefrom (with one or two subsequent additions), *but the synonymy given refers solely to the nomenclature used in the Catalogue; those who seek a full bibliographical history of each species must refer to the 'Revision and Synopsis.'*

Every species not included in the Catalogue of 1870 (or not then recognised as distinct) is here indicated by an asterisk (*).

INÆQUIPALPIA.

PHRYGANEIDÆ.

NEURONIA, *Leach.*
ruficus, Scop.
clathrata, Kol.

PHRYGANEA, *L.*
grandis, L.
striata, L.

varia, F.
obsoleta (Hag.), M'Lach.
minor, Curt.

AGRYPNIA, *Curt.*

picta, Kol.
Pagetana, Curt.

LIMNOPHILIDÆ.

- COLPOTAULIUS, *Kol.*
 incisus, Curt.
 GRAMMOTAULIUS, *Kol.*
 nitidus, Müller.
 atomarius, F.
 GLYPHOTÆLIUS, *Steph.*
 pellucidus, Retz.
 LIMNOPHILUS, *Leach.*
 rhombicus, L.
 borealis, Zett.
 pavidus (Hag.), M'L.
 **subcentralis, Brauer.*
 flavicornis, F.
 decipiens, Kol.
 marmoratus, Curt.
 stigma, Curt.
 xanthodes, M'Lach.
 borealis, Kol., nec Zett.
 lunatus, Curt.
 elegans, Curt.
 politus, M'Lach.
 ignavus (Hag.), M'Lach.
 nigriceps, Zett.
 striola, Kol.
 centralis, Curt.
 vittatus, F.
 affinis, Curt.
 auricula, Curt.
 griseus, L.
 bipunctatus, Curt.
 extricatus, M'Lach.
 hirsutus, Pict.
 luridus, Curt.
 sparsus, Curt.
 fuscicornis, Ramb.
 fumigatus, Germar(?)
 ANABOLIA, *Steph.*
 nervosa (Leach), Curt.
 PHACOPTERYX, *Kol.*
 brevipennis, Curt.
- ASYNARCHUS, *M'Lach.*
 Anabolia, partim.
 cœnosus, Curt.
 STENOPHYLAX, *Kol.*
 alpestris, Kol.
 dubius, Steph.
 infumatus, M'Lach.
 **rotundipennis, Brauer.*
 stellatus, Curt.
 latipennis, Curt.
 radiatus, Ramb.
 concentricus, Zett.
 hieroglyphicus, Steph.,
 vibex, Curt. [nec Curt.]
 MICROPTERNA, *Stein.*
 Stenophylax, partim.
 sequax, M'Lach.
 striata (Pict.), M'Lach.,
 lateralis, Steph. [nec L.]
 HALESUS, *Steph.*
 **radiatus, Curt. [partim.]*
 digitatus (Schr.), M'L.,
 digitatus, Schrank.
 auricollis, Pict.
 guttatipennis, M'Lach.
 DRUSUS, *Steph.*
 annulatus, Steph.
 ECCLISOPTERYX, *Kol.*
 guttulata, Pict.
 CHÆTOPTERYX, *Steph.*
 villosa, F.
 tuberculosa, Pict.
 ENOICYLA, *Ramb.*
 pusilla, Burm.
 APATANIA, *Kol.*
 Wallengreni, M'Lach.
 vestita, Kol., nec Zett.
 muliebris, M'Lach.

SERICOSTOMATIDÆ.

- SERICOSTOMA, *Latr.*
personatum, *Spence.*
Spencii, *Kirby.*
multiguttatum (*Pict.*), ♀
- NOTIDOBIA, *Steph.*
ciliaris, *L.*
- GOËRA (*Hoffm.*), *Leach.*
pilosa, *F.*
flavipes, *Curt.*
- SILO, *Curt.*
pallipes, *F.*
- nigricornis, *Pict.*
funipennis, *M'Lach.*
- BRACHYCENTRUS, *Curt.*
subnubilus, *Curt.*
- CRUNGEIA, *M'Lach.*
Mormonia, partim.
- irrorata, *Curt.*
- LEPIDOSTOMA, *Ramb.*
Mormonia, *Curt.*
- hirtum, *F.*
- LASIOCEPHALA, *Costu.*
basalis, *Kol.*

ÆQUIPALPIA.

LEPTOCERIDÆ.

- BERÆA, *Steph.*
pullata, *Curt.*
maurus, *Curt.*
- BERÆODES, *Eaton.*
Beræa, partim.
minuta, *L.*
- MOLANNA, *Curt.*
angustata, *Curt.*
**palpata*, *M'Lach.*
- ODONTOCERUM, *Leach.*
albicorne, *Scop.*
- LEPTOCERUS, *Leach.*
nigro-nervosus, *Retz.*
nervosus, *F.*
fulvus, *Ramb.*
grossus, *Steph.*
senilis, *Burm.* [*Ramb.*
fulvus, *M'Lach.*, *nec*
albo-guttatus, *Hag.*
bimaculatus, *Steph.* *nec*
annulicornis, *Steph.* [*L.*
aterrimus, *Steph.*
cinereus, *Curt.*
albifrons, *L.* [*M'Lach.*
**commutatus* (*Rostock*),
bilineatus, *L.*
bifasciatus, *Oliv.*
dissimilis, *Steph.*
- MYSTACIDES, *Latr.*
nigra, *L.*
atra, *Pict.*
azurea, *L.*
nigra, *Pict.*, *nec L.*
longicornis, *L.*
quadrifasciata, *F.*
- TRIÆNODES, *M'Lach.*
bicolor, *Curt.*
conspersa, *Ramb.*
- EROTESIS, *M'Lach.*
**baltica*, *M'Lach.*
- ADICELLA, *M'Lach.*
Setodes, partim.
reducta, *M'Lach.*
- ÆCETIS, *M'Lach.*
Setodes, partim.
ochracea, *Curt.*
furva, *Ramb.*
intaminata, *M'Lach.*
lacustris, *Pict.*
**notata*, *Ramb.*
testacea, *Curt.*
- SETODES, *Ramb.*
tineiformis, *Curt.*
interrupta, *F.*
**argentipunctella*, *M'L.*

HYDROPSYCHIDÆ.

- HYDROPSYCHE, *Pict.*
 pellucidula, *Curt.*
 fulvipes, *Curt.*
 instabilis, *Curt.*
 angustipennis, *Curt.*
 **ornatula*, *M'Lach.*
 guttata, *Pict.*
 contubernalis, *M'Lach.*
 exocellata, *Dufour.*
 ophthalmica, *Ramb.*
 lepida, *Pict.*
 ventralis, *Curt.*
 DIPLECTRONA, *Westw.*
 felix, *M'Lach.* [*nec Pict.*
 flavomaculata, *Steph.*,
 PHILOPOTAMUS, *Leach.*
 montanus, *Donov.* [*Stph.*
 scopulorum (*Leach*),
 scoticus, *M'Lach.* (*var.*)
 WORMALDIA, *M'Lach.*
 occipitalis, *Pict.*
 **mediana*, *M'Lach.*
 subnigra, *M'Lach.*
 NEURECLIPSIS, *M'Lach.*
 bimaculata, *L.*
 PLECTROCNEMIA, *Steph.*
 conspersa, *Curt.*
 **geniculata*, *M'Lach.*
- POLYCENTROPUS, *Curt.*
 flavo-maculatus, *Pict.*
 multiguttatus, *Curt.*
 **Kingi*, *M'Lach.*
 HOLOCENTROPUS, *M'Lach.*
 Polycentropus, *partim.*
 dubius, *Ramb.*
 Parfitti, *M'Lach.* ♀
 picicornis, *Steph.*
 CYRNUM, *Steph.*
 trimaculatus, *Curt.*
 flavidus, *M'Lach.*
 ECNOMUS, *M'Lach.*
 tenellus, *Ramb.*
 TINODES, *Leach.*
 Wæneri, *L.*
 lurida, *Curt.*
 aureola, *Zett.*
 pusilla, *Curt.*, *nec F.*
 assimilis, *M'Lach.*
 **unicolor*, *Pict.*
 dives, *Pict.*
 Schmidtii, *Kol.*
 LYPE, *M'Lach.*
 Psychomyia, *partim.*
 phæopa, *Steph.*
 PSYCHOMYIA, *Latr.*
 pusilla, *F.*
 gracilipes, *Curt.*

RHYACOPHILIDÆ.

- CHIMARRHA, *Leach.*
 marginata, *L.*
 RHYACOPHILA, *Pict.*
 dorsalis, *Curt.*
 septentrionis, *M'Lach.*
 obliterata, *M'Lach.*
 munda, *M'Lach.*
- GLOSSOSOMA, *Curt.*
 Boltoni, *Curt.*
 vernale, *Pict.*
 fimbriatum, *Steph.*
 AGAPETUS, *Curt.*
 fuscipes, *Curt.*
 comatus, *Pict.*

HYDROPTILIDÆ.

AGRAYLEA, <i>Curt.</i>	*pulehricornis (<i>Pict. ?</i>),
multipunctata, <i>Curt.</i>	*forcipata, <i>Eaton.</i> [<i>Eatn.</i>
ALLOTRICHIA, <i>M'Lach.</i>	ITHYTRICHIA, <i>Eaton.</i>
*pallicornis, <i>Eaton.</i>	*lamellaris, <i>Eaton.</i>
HYDROPTILA, <i>Dalm.</i>	ORTHOTRICHIA, <i>Eaton.</i>
sparsa, <i>Curt.</i>	<i>Hydroptila</i> , partim.
tineoides, <i>Dalm. ?</i>	angustella, <i>M'Lach.</i>
*occulta, <i>Eaton.</i>	OXYETHIRA, <i>Eaton.</i>
*femoralis, <i>Eaton.</i>	<i>Hydroptila</i> , partim.
tineoides, <i>Dalm. ?</i>	costalis, <i>Curt.</i>
*sp. nov.	

SUMMARY.

The Catalogue of 1870 included 136 species. I now enumerate 152. Twenty of these are indicated by an asterisk, therefore are additions to the fauna. The discrepancy of four species is due to the fact that *Sericostoma multiguttatum* has been sunk as a variety of the female of (apparently) our only species of the genus; *Philopotamus scoticus* has been sunk as a variety of *P. montanus* (olim *scopulorum*); *Philopotamus montanus* of the Catalogue (= *ludificatus*, *M'Lach.*) has been erased as based upon insufficient evidence of British origin; and *Polycentropus Parfitti* proves to be the female of *Holocentropus dubius* of this List.

Of the twenty additions one, viz., *Hydropsyche ornatula*, is perhaps a little doubtful, being based as British upon one female example only, the identity of which requires confirmation.

One species of *Hydroptila* bears no specific name. This will be published in a new Supplement to the 'Revision and Synopsis,' which is in an advanced state. I do not consider that a list or catalogue is the place in which to indicate new species by names without descriptions.

It is not likely that the new Supplement, announced as in preparation, will occasion any serious discrepancy in the list, either in sequence or nomenclature. It may, however, be remarked that Wallengren has recently ('Entomologisk Tidskrift,' vol. i., 1880) effected a somewhat minute generic subdivision of the family *Phryganeidæ*,

and that I have not yet decided whether this will be adopted by me in its fullest extent, or be only indicated.

Considering the comparatively small number of species in Britain, an addition of twenty in about twelve years is eminently satisfactory.

Carrying this analysis further back to the date of publication of my "*Trichoptera Britannica*" (Trans. Ent. Soc. Lond., 3rd series, vol. v., 1865), I find 127 species there enumerated, but these would be reduced to 122 according to present views; therefore 30 species (equal to 20 per cent.) have been added since 1865.